Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of the Claims:

1-10 **(Cancelled)**

11. **(Previously Presented)** A procedure according to claim 23, wherein the average diameter is from 50 to 100 nm.

12. **(Previously Presented)** A procedure according to claim 23, wherein crystal nuclei in an amount of 0.5 to 2 % w/w relative to the precipitated alumina hydrates and computed as Al_2O_3 are used for precipitation.

13. **(Previously Presented)** A procedure according to claim 23, wherein the crystal nuclei are present in an aqueous, acidic solution and at least one basic aluminum salts and at least one acidic aluminum salts are jointly added.

14. **(Cancelled)**

15. **(Previously Presented)** A procedure according to claim 23, characterized in that alkali aluminates, alkaline earth aluminates or aluminum hydroxy salts are used as the basic aluminum salts.

16. **(Previously Presented)** A procedure according to claim 23, characterized in that aluminum sulfate, aluminum nitrate, aluminum chloride or aluminum formate are used as the acidic aluminum salts.

17. **(Previously Presented)** A procedure according to claim 23, characterized in that the bulk of the alumina hydrate is precipitated at a pH value of 5 to 9.

18. (**Original**) A procedure according to claim 17 wherein the pH value is from 6 to 8.

19-21. (**Cancelled**)

22. **(Previously Presented)** A procedure according to Claim 25, wherein the crystal nuclei are prepared in an aqueous, acidic solution and at least one basic aluminum salts and at least one acidic aluminum salts are jointly added.

23. **(Currently Amended)** A procedure for manufacturing alumina hydrates such as boehmite and/or pseudo-boehmite comprising:

precipitating alumina hydrates from an aqueous medium containing crystal nuclei ~~for crystallization~~ of alumina hydrates by adding to said aqueous medium a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, said nuclei

being present in an amount of 0.1 to 5% w/w of the precipitated alumina hydrates calculated as Al_2O_3, said crystal nuclei having an average diameter of 20 to 150 nm.

24. **(Currently Amended)** A procedure for manufacturing ~~alumina hydrates such as~~ boehmite and/or pseudo-boehmite comprising:

precipitating alumina hydrates from an aqueous medium containing crystal nuclei ~~for crystallization selected from the group consisting~~ of alumina hydrates, organic polymer/oligomers which form lattices in said aqueous medium and mixtures thereof by adding to said aqueous medium a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, wherein

- the nuclei of alumina hydrate have an average diameter of 20 to 150 nm,
- ~~the nuclei of~~ said organic polymers/oligomers have an average diameter of 12 to 250 nm, and
- the nuclei and/or polymers/oligomers are present in an amount of 0.1 to 5% w/w of the precipitated alumina hydrates, calculated as Al_2O_3,.

25. **(Currently Amended)** A procedure for manufacturing ~~alumina hydrates such as~~ boehmite and/or pseudo boehmite comprising:

precipitating alumina hydrates from an aqueous medium containing organic polymers/oligomers ~~as nuclei for crystallization~~ which form lattices in said aqueous medium by adding to said aqueous medium a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, said nuclei being present in an amount of 0.1 to

5% w/w of the precipitated alumina hydrates, calculated as Al_2O_3, ~~said nuclei being of the type which form lattices in the aqueous medium and~~ said polymers/oligomers having an average diameter of 12 to 250 nm~~, the organic polymers/oligomers~~ and being selected from the group consisting of polyacrylic acids, polymethacrylic~~polymethyacrylic~~ acid, polyacrylates, polystyrenes, polyvinylacetates, polyvinylversalates, their co-polymers and mixtures thereof.